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Change in average surface temperature (1986–2005 to 2081–2100)

Two world maps illustrating projected changes in average surface temperature from 1986–2005 to 2081–2100. The left map shows a moderate increase (yellow/orange) with a blue hatched area in the North Atlantic. The right map shows a much more significant increase (red/dark red) across almost all land and ocean areas. A color scale at the bottom ranges from -2 to 11 degrees Celsius.

Legend (°C): -2, -1.5, -1, -0.5, 0, 0.5, 1, 1.5, 2, 3, 4, 5, 7, 9, 11

Source: <https://www.ipcc.ch/glossary/representative-concentration-pathways>, RCP 8.5, FINAL, GCM4.5a

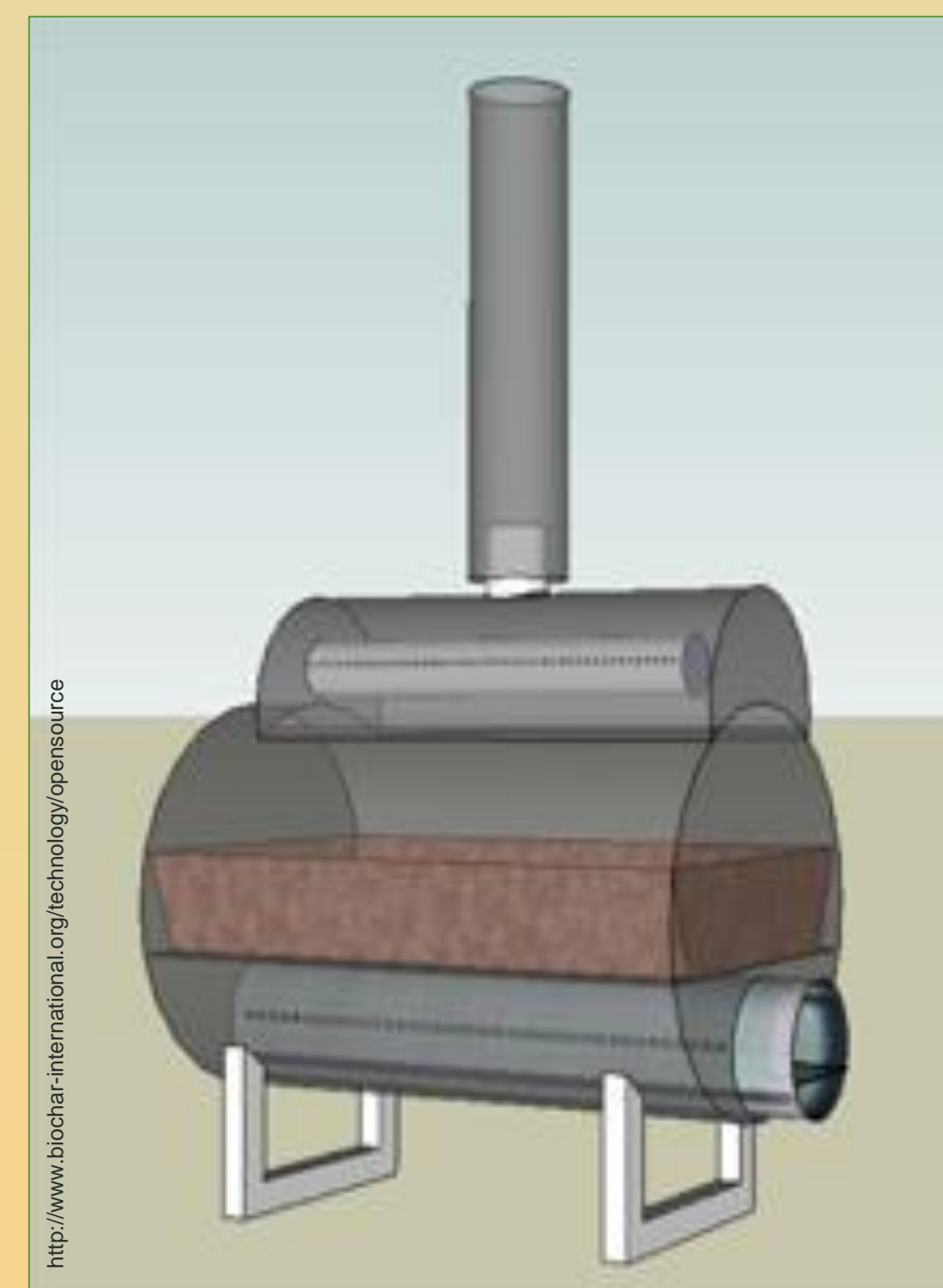
Root Systems of Prairie Plants

Conservation Research Institute
April 1999

This diagram illustrates the root systems of various prairie plants, categorized by species and their corresponding root structures. The plants are arranged in rows, with their root systems shown below the ground surface. The depth of the roots is indicated by a vertical scale on the right, ranging from 0 to 18 feet.

Species and Root System Characteristics:

- Lead Plant** (*Amorpha canescens*): Deep, taproot system.
- Missouri Goldenrod** (*Solidago missouriensis*): Deep, taproot system.
- Indian Grass** (*Sorghastrum nutans*): Deep, taproot system.
- Common Plantain** (*Plantago lanceolata*): Deep, taproot system.
- Partridge Pea** (*Lotus corniculatus*): Deep, taproot system.
- Heath Aster** (*Aster laevis*): Deep, taproot system.
- Prairie Cord Grass** (*Elymus canadensis*): Deep, taproot system.
- Big Blue Stem** (*Andropogon furcatus*): Deep, taproot system.
- Pale Purple Coneflower** (*Rudbeckia hirta*): Deep, taproot system.
- Prairie Dropseed** (*Sporobolus vaginifolius*): Deep, taproot system.
- Silk Oats** (*Graminopoda*): Deep, taproot system.
- Fawn Leafed Fern** (*Adiantum nemorosum*): Deep, taproot system.
- Switch Grass** (*Panicum virgatum*): Deep, taproot system.
- White Wild Indigo** (*Baptisia alba*): Deep, taproot system.
- Little Blue Stem** (*Andropogon scoparius*): Deep, taproot system.
- Stout Wood** (*Erigeron phillyriae*): Deep, taproot system.
- Purple Prairie Clover** (*Trifolium purpureum*): Deep, taproot system.
- June Grass** (*Andropogon scoparius*): Deep, taproot system.
- Cyanic Blue Stem** (*Andropogon scoparius*): Deep, taproot system.
- Buffalo Grass** (*Bouteloua curtipendula*): Deep, taproot system.



Total Potential Revenue (annual)	\$308,261
Total potential expenses (annual)	\$215,406
Profit Estimate (annual)	\$92,855

BIOCHAR Pure

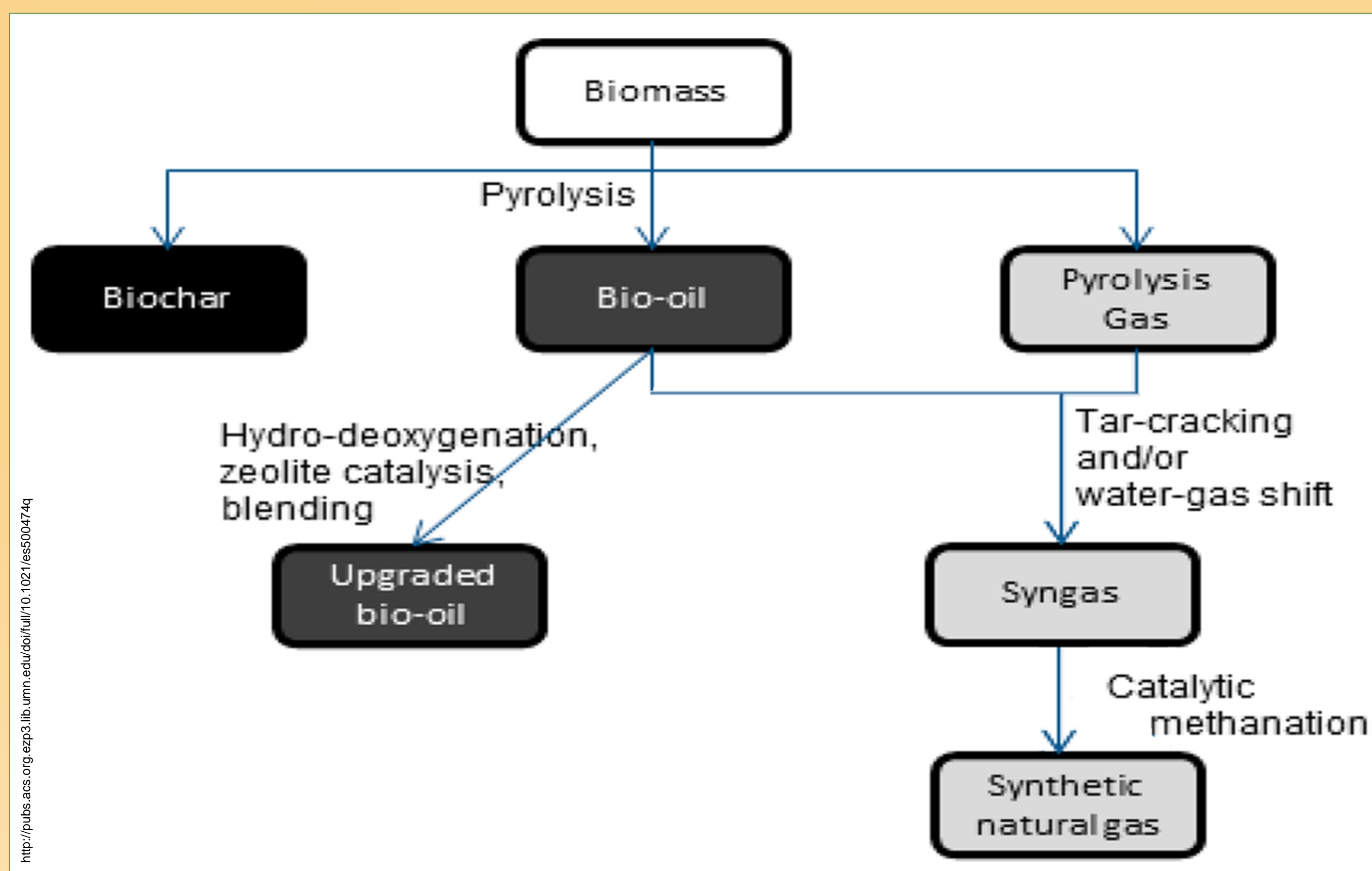
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Number of Children	Percentage
1	8.67
2	11.59
3	5.97

- Coal
- Petroleum Products
- Natural Gas



D. Tilman, J. Hill, C. Lehman (2006). Carbon-Negative Biofuels from Low-Input High-Diversity Grassland Biomass. *Science*, 1598-1600.

D. Woolf, J. Lehmann, E. Fisher, L. Angenent (2014). Biofuels from Pyrolysis in Perspective: Trade-offs between Energy Yields and Soil-Carbon Additions. *American Chemical Society*. 6492-6499.